

D I G I T A L M A G A Z I N E

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more

Pennsylvania Agriculture

Full of Food, Farmers & Fun!



10
Crops

E N R I C H M E N T

Pennsylvania Agriculture

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Apples



Barley



Corn



Eggs



Green Beans



Mushrooms



Oats



Pumpkin



Soybeans



Wheat

Pennsylvania

Apples

Pennsylvania is the **fourth largest** apple producing state in the U.S.

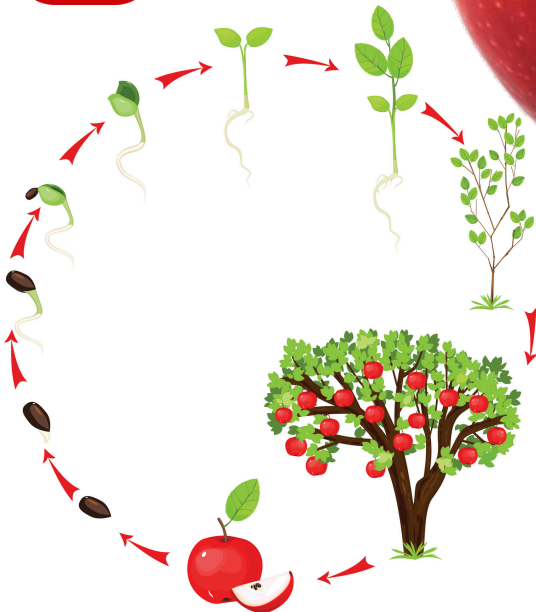


Pennsylvania produces **400-500 MILLION** pounds of apples per year.

Pennsylvania's apple season lasts from **mid July - November**.



apples make **1 gallon** of cider.



Pennsylvania has **21,000+** acres of apple orchards.

2,500



varieties of apples are grown in the United States.

The U.S. harvest **250 million bushels** of apples/year.



An **apple blossom** is the flower that comes from an apple tree.

An apple tree takes at least **4 years** to start producing fruit.

Most apples are **HAND-PICKED.**



Pennsylvania

Barley

Pennsylvania harvests around **20,000 acres** of barley a year.

6-Row barley is most common grown barley in Pennsylvania.



Ways to Classify Barley:

The U.S. produces mostly **spring** barley.

1. Spring Barley
2. Winter Barley
3. 6-Row Barley
4. 2-Row Barley

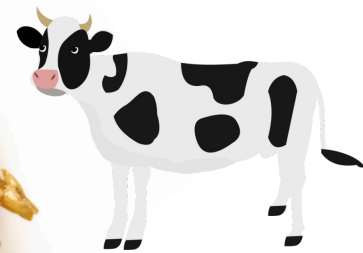
Barley is one of the **oldest** domesticated grain crops.

A **small** percentage of barley is milled into flour.



Barley is a cool-season, annual crop.

Barley is used as a feed grain for livestock.



The head of the plant is called the "**barley spike**" which is made up of 20 - 60 grains.

Barley is a **tall grass** with a stem that reaches between 30 - 35 inches high.



Pennsylvania

Corn

Pennsylvania harvests around **1,000,000 acres** of corn every year!

Corn is grown in **EVERY** county in Pennsylvania.

Corn is America's number 1 field crop.

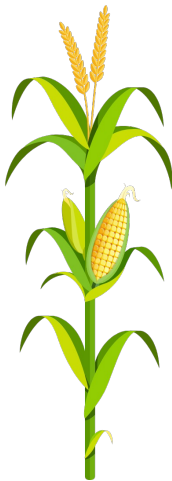
Corn is considered a **vegetable, fruit AND a grain!**

Corn is the **most common** crop grown in Pennsylvania.

An ear of corn **ALWAYS** has an even number of rows.

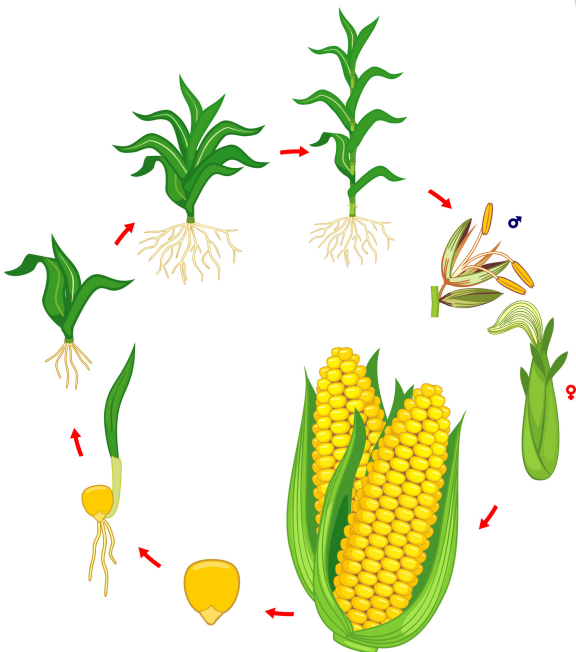


There are around **800** kernels on each ear of corn.



Most countries outside of the United States call corn **"maize"**.

90,000,000 acres of the earth are corn fields.



Pennsylvania

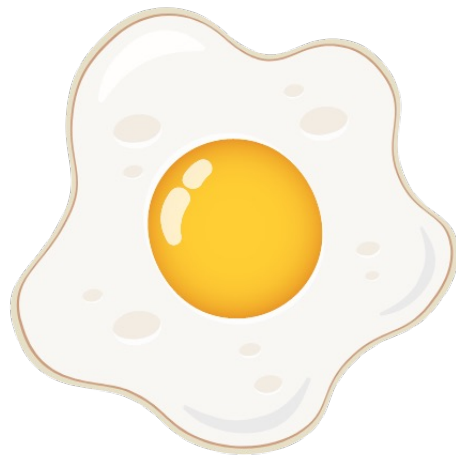
Eggs

Pennsylvania is ranked 4th in the U.S. for egg production.

Eat
**FARM
FRESH**
eggs!

Components of an Egg:

1. Eggshell
2. Egg White (Albumen)
3. Egg Yolk (Vitellus)



Eggs with **brown** shells come from **larger** hens.

One hen can lay around **250** eggs per year.



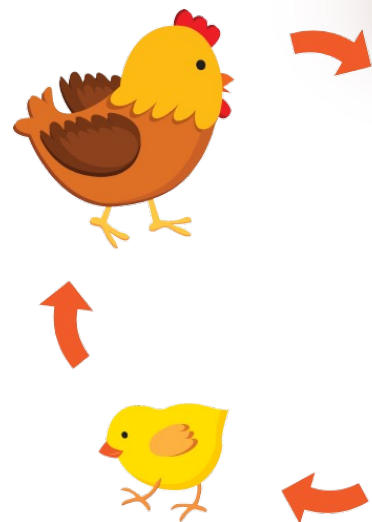
An egg's shell can have up to **17,000** pores - these pores allow moisture to pass through and keep bacteria out.

An egg's shell and yolk **color** do not affect the taste or quality of the egg.

Eggshells in stores are commonly **white** or **brown**, but they can also be **blue**, **green** or **pink**!



Breed of hen determines the shell color.



Pennsylvania

Green Beans

Pennsylvania is home to over **9,000 acres** of green beans.

Bush & pole are the 2 main types of green beans.



Try growing green beans in your garden!

Green beans are the **3rd most** home-grown vegetable.

Green beans are **the 2nd most common** vegetable grown in Pennsylvania.

130+ varieties of green beans.

Green beans are also known as **“string beans”** or **“snap beans.”**



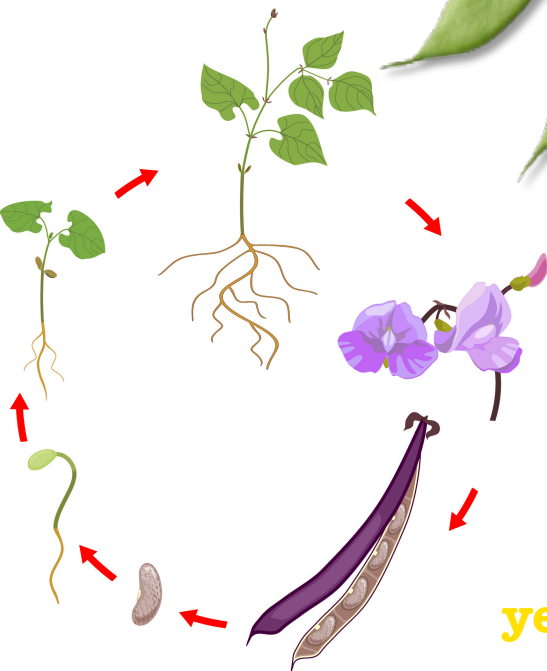
The World's Tallest Bean Plant was over **45 feet tall.**

=

Equivalent to **3 fully-grown giraffes** stacked on top of one another.



String beans can be **green, yellow** or **purple!**



Pennsylvania

Milk

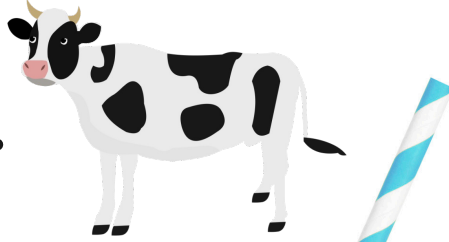
Indiana is home to **465,000** dairy cows.

Pennsylvania produces around **10 BILLION** pounds of milk per year.

Nearly **98%** of U.S. dairy farms are family owned & operated.

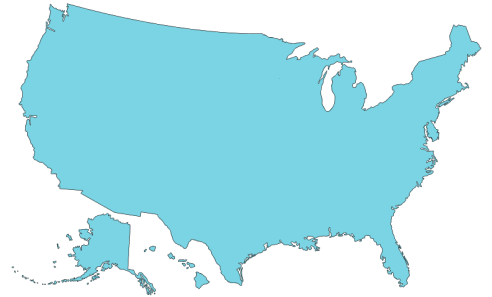
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Breeds of Dairy Cows:



1. Ayrshire
2. Brown Swiss
3. Guernsey
4. Holstein
5. Jersey
6. Milking Shorthorn

ALL 50 states have dairy farms!



Holstein cows all have a **unique pattern of spots!**

1 cow produces around **6 gallons** of milk per day.

The reason milk is white is because it contains **“casein”** - a type of protein.

Farmers measure milk in **pounds**.

Milk is the source of **ALL** dairy products!

The U.S. produces **~21 BILLION** gallons of milk each year.



Pennsylvania

Mushrooms

Pennsylvania produces around **500 MILLION** pounds of mushrooms each year.



Top 3 Mushroom Producing States:

1. Pennsylvania
2. California
3. Texas

Pennsylvania produces over **65%** of the U.S. mushroom crop.

Popular types of mushrooms:
White Button, Crimino & Portabello.

Umami –
a primary
taste found in
mushrooms.



↓
These are all
the **same**
mushroom, just
harvested at
different ages.

Some mushrooms stay
underground for **YEARS**
waiting for the conditions
to be just right to surface.



Did you know mushrooms
are **not** considered a plant?

They are a **FUNGUS**.

Scientists
have
classified
2,189
mushrooms
as **edible**.



Fungi are the **LARGEST** life form on earth.

Pennsylvania

Oats

Pennsylvania harvests over **3 MILLION** bushels of oats each year.

Oats have been cultivated for **thousands** of years.

2 Kinds of Oats:

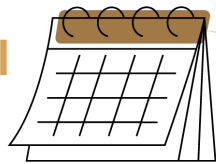
1. Husked
2. Naked

More than half of the world's oats are grown in the U.S. & Canada.

Oats are a **cool season** crop.

Oats are **planted** during the summer and early fall.

January is National Oatmeal Month!



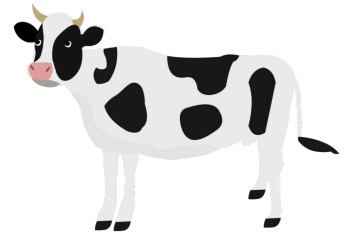
Oats are commonly rolled and made into **oatmeal**.

Farmers use a "**combine harvester**" to harvest the oats.



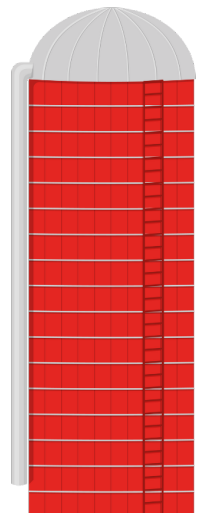
Oats are also used to make flour and alternative milk.

Farmers use oat straw as **bedding** for cattle & horses.



95% of oats grown in the U.S. are used for livestock feed.

Oats are stored in **silos**.



Pennsylvania

Pumpkins

Pennsylvania harvests around **6,300 acres** of pumpkins each year.

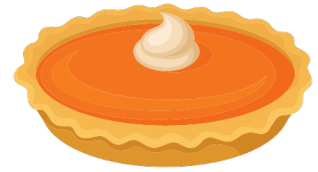
The U.S. produces **1.5+ BILLION** pounds of pumpkins each year.

45+ varieties of pumpkins.

Pumpkins range in color from **red, yellow, green & orange!**



Pennsylvania is the **7th largest** pumpkin producing state.



Pumpkin pie is the **most popular** Thanksgiving dessert.



Pumpkins are grown on **EVERY** continent except Antarctica.

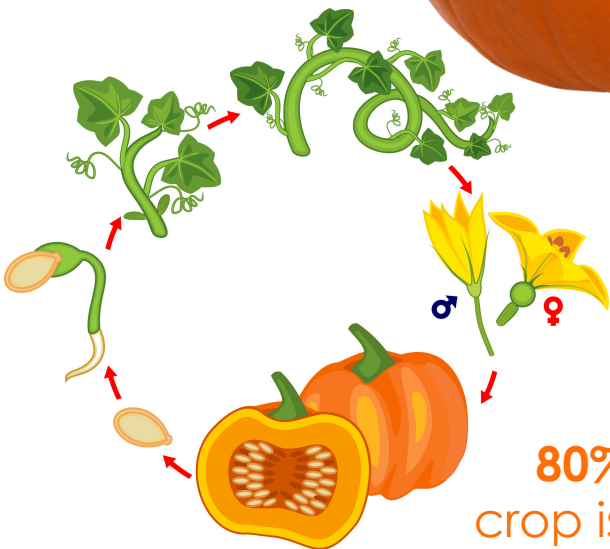
500 seeds/pumpkin.



Pumpkins are **90%** water.



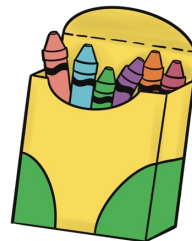
80% of the U.S. pumpkin crop is available in **OCTOBER.**



Pennsylvania

Soybeans

Pennsylvania harvests over **25 MILLION** bushels of soybeans each year.

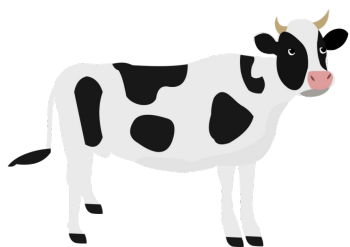


75 MILLION

acres of farmland are used for growing soybeans in the U.S.

1 acre of soybeans can produce **82,368** crayons!

Soybeans are a part of the **legume** family.



Soybeans were first grown in the U.S. for **cattle feed**.



The U.S. is the **leading** country in soybean production.

“Miracle Bean”

Each soybean plant produces around **100** pods.

Soybean pods usually contains **3 seeds** each.

Soybean plants average **3 - 5 feet** tall.



Pennsylvania

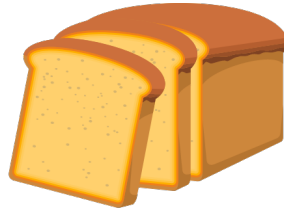
Wheat

Pennsylvania harvests **15+ MILLION** bushels of wheat each year.

1 bushel of wheat contains around **100,000,000** individual kernels.

6 Classes of Wheat Grown in the U.S.

1. Hard Red Winter
2. Hard Red Spring
3. Soft Red Winter
4. Soft White
5. Durum



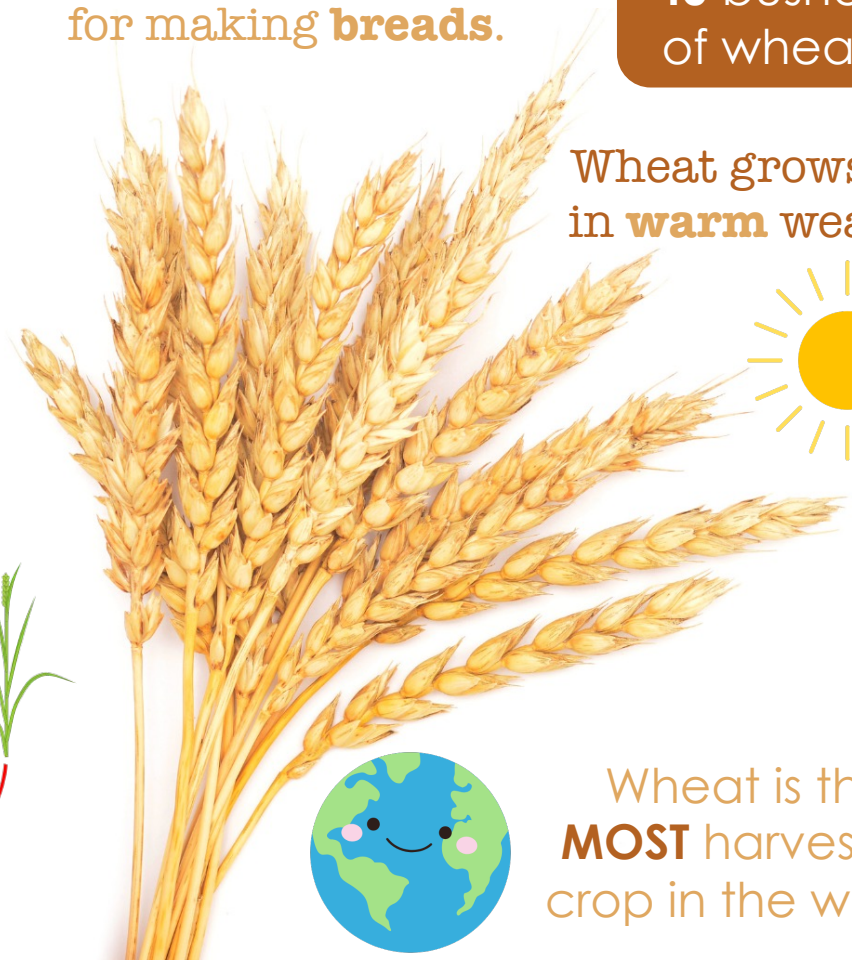
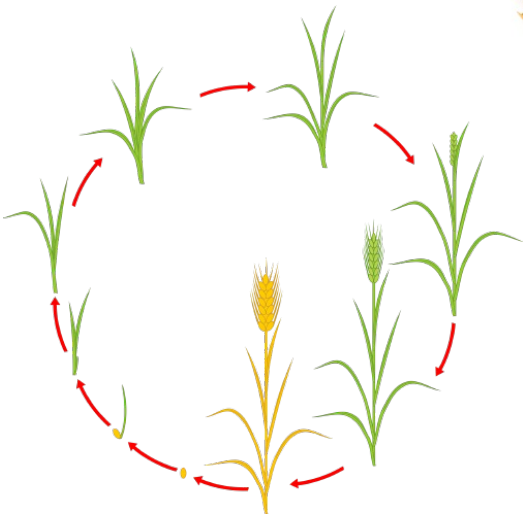
1 bushel of wheat can produce **90 loaves of bread.**

Hard Red Winter wheat is used mostly for making **breads.**

1 acre = **40** bushels of wheat.

The average wheat crop grows to be between **2 & 4 feet tall.**

Wheat grows best in **warm** weather.



Wheat is the **MOST** harvested crop in the world.

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